

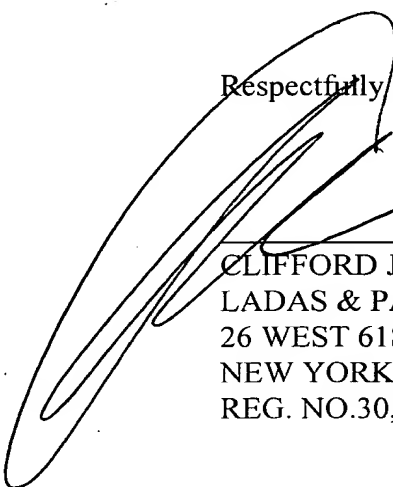
C7  
Delete the Sequence Listing presently of record and replace, on a separate page after page 47, last line, with the Sequence Listing attached hereto.

REMARKS

The above amendatory action is taken in response to the Notice to Comply with Requirements for Patent Applications Containing Nucleotide Sequence and/or Amino Acid Sequence Disclosures. Applicants submit herewith a paper copy and a computer readable form copy of the Sequence Listing and statements that the contents of the paper and computer readable form copies are the same and include no new matter.

Applicants have now complied with the requirements in the aforementioned notification and now respectfully request an early examination of this application on the merits.

Respectfully submitted,



CLIFFORD J. MASS  
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MARKED UP COPY:

Page 23, first paragraph, rewrite as follows:

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TC 1700

	<u>Peptide</u>	<u>Sequence</u>
P1 (280-293)	AlaLeuAspThrAsnTyrCysPheSerSerThrGluLysAsn	<u>SEQ ID NO: 11</u>
P2 (284-297)	AsnTyrCysSerSerThrGluLysAsnCysCysValArg	<u>SEQ ID NO: 12</u>
P3 (288-301)	SerSerThrGluLysAsnCysCysValArgGlnLeuTyrIle	<u>SEQ ID NO: 13</u>
P4 (294-307)	CysCysValArgGlnLeuTyrIleAspPheArgLysAspLeu	<u>SEQ ID NO: 14</u>
P5 (298-311)	GlnLeuTyrIleAspPheArgLysAspLeuGlyTrpLysTrp	<u>SEQ ID NO: 15</u>
P6 (302-315)	AspPheArgLysAspLeuGlyTrpLysTrpIleHisGluPro	<u>SEQ ID NO: 16</u>
P7 (306-319)	AspLeuGlyTrpLysTrpIleHisGluProLysGlyTyrHis	<u>SEQ ID NO: 17</u>
P8 (308-321)	GlyTrpLysTrpIleHisGluProLysGlyTyrHisAlaAsn	<u>SEQ ID NO: 18</u>
P9 (312-325)	IleHisGluProLysGlyTyrHisAlaAsnPheCysLeuGly	<u>SEQ ID NO: 19</u>
P10 (316-329)	LysGlyTyrHisAlaAsnPheCysLeuGlyProCysProTyr	<u>SEQ ID NO: 20</u>
P11 (319-333)	HisAlaAsnPheCysLeuGlyProCysProTyrIleTrpSerLeu	<u>SEQ ID NO: 1</u>
P12 (322-335)	PheCysLeuGlyProCysProTyrIleTrpSerLeuAspThr	<u>SEQ ID NO: 2</u>
P13 (326-339)	ProCysProTyrIleTrpSerLeuAspThrGlnTyrSerLys	<u>SEQ ID NO: 21</u>
P14 (330-343)	IleTrpSerLeuAspThrGlnTyrSerLysValLeuAlaLeu	<u>SEQ ID NO: 22</u>
P15 (335-349)	ThrGlnTyrSerLysValLeuAlaLeuTyrAsnGlnHisAsnPro	<u>SEQ ID NO: 23</u>
P16 (336-349)	GlnTyrSerLysValLeuAlaLeuTyrAsnGlnHisAsnPro	<u>SEQ ID NO: 24</u>
P17 (340-353)	ValLeuAlaLeuTyrAsnGlnHisAsnProGlyAlaSerAla	<u>SEQ ID NO: 25</u>
P18 (343-358)	LeuTyrAsnGlnHisAsnProGlyAlaSerAlaAlaProCysCys	<u>SEQ ID NO: 26</u>
P19 (344-358)	TyrAsnGlnHisAsnProGlyAlaSerAlaAlaProCysCys	<u>SEQ ID NO: 27</u>
P20 (348-360)	AsnProGlyAlaSerAlaAlaProCysCysValProGln	<u>SEQ ID NO: 28</u>
P21 (350-363)	GlyAlaSerAlaAlaProCysCysValProGlnAlaLeuGlu	<u>SEQ ID NO: 29</u>
P22 (354-367)	AlaProCysCysValProGlnAlaLeuGluProLeuProIle	<u>SEQ ID NO: 30</u>
P23 (358-371)	ValProGlnAlaLeuGluProLeuProIleValTyrTyrVal	<u>SEQ ID NO: 31</u>
P24 (364-377)	ProLeuProIleValTyrTyrValGlyArgLysProLysVal	<u>SEQ ID NO: 32</u>
P25 (368-381)	ValTyrTyrValGlyArgLysProLysValGluGlnLeuSer	<u>SEQ ID NO: 33</u>
P26 (372-385)	GlyArgLysProLysValGluGlnLeuSerAsnMetIleVal	<u>SEQ ID NO: 34</u>
P27 (378-391)	GluGlnLeuSerAsnMetIleValArgS rCysLysCysSer	<u>SEQ ID NO: 35</u>

Page 25, first paragraph, rewrite as follows:

	<u>Peptide</u>	<u>Sequence</u>	
P12 (322-335)	PheCysLeuGlyProCysProTyrIleTrpSerLeuAspThr		<u>SEQ ID NO: 2</u>
P28 (322-344)	PheCysLeuGlyProCysProTyrIleTrpSerLeuAspThrGlnLysVal LeuAlaLeuTyr		<u>SEQ ID NO: 36</u>
P29 (313-335)	HisGluProLysGlyTyrHisAlaAsnPheCysLeuGlyProCysProTyr IleTrpSerLeuAspThr		<u>SEQ ID NO: 10</u>
P30	PheSerLeuGlyProCysProTyrIleTrpSerLeuAspThr		<u>SEQ ID NO: 37</u>
P31	PheCysLeuGlyProSerProTyrIleTrpSerLeuAspThr		<u>SEQ ID NO: 38</u>
P32	PheSerLeuGlyProSerProTyrIleTrpSerLeuAspThr		<u>SEQ ID NO: 39</u>
P33	PheCysLeuGlyProCysProTyrIleTrpSerAspAspAsp		<u>SEQ ID NO: 40</u>
P34	AspAspAspGlyProCysProTyrIleTrpSerLeuAspThr		<u>SEQ ID NO: 41</u>
P35	AspAspAspGlyProCysProTyrIleTrpSerAspAspAsp		<u>SEQ ID NO: 42</u>
P36	GlyProCysProTyrIleTrpSerAspAspAsp		<u>SEQ ID NO: 43</u>
P37	AspAspAspGlyProCysProTyrIleTrpSer		<u>SEQ ID NO: 44</u>
P38	AspGlyProCysProTyrIleTrpSerAsp		<u>SEQ ID NO: 45</u>

Paragraph beginning on page 28 on line 1 and ending on page 30, last line, rewrite as follows:

	<u>Peptide</u>	<u>Sequence</u>	
P39 <sub>(91-102)</sub>	AsnProIleAlaSerValHisThrHisHisLysPro		<u>SEQ ID NO: 46</u>
P40 <sub>(104-115)</sub>	ValPheLeuLeuAsnSerProGlnProLeuValTrp		<u>SEQ ID NO: 47</u>
P41 <sub>(109-120)</sub>	SerProGlnProLeuValTrpHisLeuLysThrGlu		<u>SEQ ID NO: 48</u>
P42 <sub>(110-121)</sub>	ProGlnProLeuValTrpHisLeuLysThrGluArg		<u>SEQ ID NO: 49</u>
P43 <sub>(323-344)</sub>	TrpAlaLeuAspAsnGlyTyrArgProValThrSer		<u>SEQ ID NO: 50</u>
P44 <sub>(428-439)</sub>	ProIleValProSerValGlnLeuLeuProAspHis		<u>SEQ ID NO: 51</u>
P45 <sub>(555-566)</sub>	GlyAspGluGlyGluThrAlaProLeuSerArgAla		<u>SEQ ID NO: 52</u>
P46 <sub>(563-574)</sub>	LeuSerArgAlaGlyValValValPheAsnCysSer		<u>SEQ ID NO: 53</u>
P47 <sub>(603-614)</sub>	LeuPheLeuValProSerProGlyValPheSerVal		<u>SEQ ID NO: 54</u>
P48 <sub>(605-616)</sub>	LeuValProSerProGlyValPheSerValAlaGlu		<u>SEQ ID NO: 55</u>
P49 <sub>(707-718)</sub>	GluLeuThrLeuCysSerArgLysLysGlySerLeu		<u>SEQ ID NO: 56</u>
P50 <sub>(712-723)</sub>	SerArgLysLysGlySerLeuLysLeuProArgCys		<u>SEQ ID NO: 57</u>
P51 <sub>(717-728)</sub>	SerLeuLysLeuProArgCysValThrProAspAsp		<u>SEQ ID NO: 58</u>
P52 <sub>(722-733)</sub>	ArgCysValThrProAspAspAlaCysThrSerLeu		<u>SEQ ID NO: 59</u>
P53 <sub>(727-738)</sub>	AspAspAlaCysThrSerLeuAspAlaThrMetIle		<u>SEQ ID NO: 60</u>
P54 <sub>(731-742)</sub>	ThrSerLeuAspAlaThrMetIleTrpThrMetMet		<u>SEQ ID NO: 3</u>
P55 <sub>(732-743)</sub>	SerLeuAspAlaThrMetIleTrpThrMetMetGln		<u>SEQ ID NO: 61</u>
P56 <sub>(737-748)</sub>	MetIleTrpThrMetMetGlnAsnLysLysThrPhe		<u>SEQ ID NO: 62</u>
P57 <sub>(742-752)</sub>	MetGlnAsnLysLysThrPheThrLysProLeuAla		<u>SEQ ID NO: 63</u>
P58 <sub>(747-758)</sub>	ThrPheThrLysProLeuAlaValValLeuGlnVal		<u>SEQ ID NO: 64</u>
P59 <sub>(761-775)</sub>	LysGluAsnValProSerThrLysAspSerSerProIleProPro		<u>SEQ ID NO: 65</u>
P60 <sub>(766-780)</sub>	SerThrLysAspSerSerProIleProProProProGlnIle		<u>SEQ ID NO: 66</u>
P61 <sub>(771-785)</sub>	SerProIleProProProProGlnIlePheHisGlyLeuAsp		<u>SEQ ID NO: 67</u>
P62 <sub>(776-790)</sub>	ProProProGlnIlePheHisGlyLeuAspThrLeuThrValMet		<u>SEQ ID NO: 68</u>
P63 <sub>(781-795)</sub>	PheHisGlyLeuAspThrLeuThrValMetGlyIleAlaPheAla		<u>SEQ ID NO: 69</u>
P64 <sub>(786-800)</sub>	ThrLeuThrValMetGlyIleAlaPheAlaAlaPheValIleGly		<u>SEQ ID NO: 70</u>
P65 <sub>(797-809)</sub>	LeuLeuThrGlyAlaLeuTrpTyrIleTyrSerHis		<u>SEQ ID NO: 71</u>
P66 <sub>(45-59)</sub>	LeuMetGluSerPheThrValLeuSerGlyCysAlaSerArgGly		<u>SEQ ID NO: 72</u>
P67 <sub>(50-64)</sub>	ThrValLeuSerGlyCysAlaSerArgGlyThrThrGlyLeuPro		<u>SEQ ID NO: 73</u>
P68 <sub>(55-69)</sub>	CysAlaSerArgGlyThrThrGlyLeuProArgGluValHisVal		<u>SEQ ID NO: 74</u>
P69 <sub>(60-74)</sub>	ThrThrGlyLeuProArgGluValHisValLeuAsnLeuArgSer		<u>SEQ ID NO: 75</u>
P70 <sub>(65-79)</sub>	ArgGluValHisValLeuAsnLeuArgSerThrAspGlnGlyPro		<u>SEQ ID NO: 76</u>
P71 <sub>(70-84)</sub>	LeuAsnLeuArgSerThrAspGlnGlyProGlyGlnArgGlnArg		<u>SEQ ID NO: 77</u>
P72 <sub>(75-89)</sub>	ThrAspGlnGlyProGlyGlnArgGlnArgGluValThrLeuHis		<u>SEQ ID NO: 78</u>
P73 <sub>(80-94)</sub>	GlyGlnArgGlnArgGluValThrLeuHisLeuAsnProIleAla		<u>SEQ ID NO: 79</u>

P74 (85-99) GluValThrLeuHisLeuAsnProIleAlaSerValHisThrHis  
 P75 (90-104) LeuAsnProIleAlaSerValHisThrHisHisLysProIleVal  
 P76 (95-109) SerValHisThrHisHisLysProIleValPheLeuLeuAsnSer  
 P77 (100-114) HisLysProIleValPheLeuLeuAsnSerProGlnProLeuVal  
 P78 (105-119) PheLeuLeuAsnSerProGlnProLeuValTrpHisLeuLysThr  
 P79 (110-124) ProGlnProLeuValTrpHisLeuLysThrGluArgLeuAlaAla  
 P80 (115-129) TrpHisLeuLysThrGluArgLeuAlaAlaGlyValProArgLeu  
 P81 (120-134) ArgLeuAlaAlaGlyValProArgLeuPheLeuValSerGluGly  
 P82 (125-139) GlyValProArgLeuPheLeuValSerGluGlySerValValGln  
 P83 (130-144) PheLeuValSerGluGlySerValValGlnPheProSerGlyAsn  
 P84 (135-149) GlySerValValGlnPheProSerGlyAsnPheSerLeuThrAla  
 P85 (140-154) PheProSerGlyAsnPheSerLeuThrAlaGluThrGluGluArg  
 P86 (145-159) PheSerLeuThrAlaGluThrGluGluArgAsnPheProGlnGlu  
 P87 (150-164) GluThrGluGluArgAsnPheProGlnGluAsnGluHisLeuVal  
 P88 (155-169) AsnPheProGlnGluAsnGluHisLeuValArgTrpAlaGlnLys  
 P89 (160-174) AsnGluHisLeuValArgTrpAlaGlnLysGluTyrGlyAlaVal  
 P90 (165-179) ArgTrpAlaGlnLysGluTyrGlyAlaValThrSerPheThrGlu  
 P91 (170-184) GluTyrGlyAlaValThrSerPheThrGluLeuLysIleAlaArg  
 P92 (175-189) ThrSerPheThrGluLeuLysIleAlaArgAsnIleTyrIleLys  
 P93 (180-194) LeuLysIleAlaArgAsnIleTyrIleLysValGlyGluAspGln  
 P94 (195-199) AsnIleTyrIleLysValGlyGluAspGlnValPheProProThr  
 P95 (190-201) ValGlyGluAspGlnValPheProProThrCysAsnIleGlyLys  
 P96 (195-209) ValPheProProThrCysAsnIleGlyLysAsnPheLeuSerLeu  
 P97 (200-214) CysAsnIleGlyLysAsnPheLeuSerLeuAsnTyrLeuAlaGlu  
 P98 (205-219) AsnPheLeuSerLeuAsnTyrLeuAlaGluTyrLeuGlnProLys  
 P99 (210-224) AsnTyrLeuAlaGluTyrLeuGlnProLysAlaAlaGluGlyCys  
 P100 (215-229) TyrLeuGlnProLysAlaAlaGluGlyCysValLeuProSerGln  
 P101 (220-234) AlaAlaGluGlyCysValLeuProSerGlnProHisGluLysGlu  
 P102 (225-239) ValLeuProSerGlnProHisGluLysGluValHisIleIleGlu  
 P103 (230-244) ProHisGluLysGluValHisIleIleGluLeuIleThrProSer  
 P104 (235-249) ValHisIleIleGluLeuIleThrProSerSerAsnProTyrSer  
 P105 (240-254) LeuIleThrProSerSerAsnProTyrSerAlaPheGlnValAsp  
 P110 (245-279) AspProGluValValLysAsnLeuValLeuIleLeuLysCysLys  
 P111 (270-284) LysAsnLeuValLeuIleLeuLysCysLysLysSerValAsnTrp  
 P112 (275-289) IleLeuLysCysLysLysSerValAsnTrpValIleLysSerPhe  
 P113 (280-294) LysSerValAsnTrpValIleLysSerPheAspValLysGlyAsn  
 P114 (285-299) ValIleLysSerPheAspValLysGlyAsnLeuLysValIleAla  
 P115 (290-304) AspValLysGlyAsnLeuLysValIleAlaProAsnSerIleGly

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 SEQ ID NO: 111  
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 SEQ ID NO: 118  
 SEQ ID NO: 119  
 SEQ ID NO: 120

P106 (245-259) SerAsnProTyrSerAlaPheGlnValAspIleIleValAspIle  
 P107 (250-264) AlaPheGlnValAspIleIleValAspIleArgProAlaGlnGlu  
 P108 (255-269) IleIleValAspIleArgProAlaGlnGluAspProGluValVal  
 P109 (260-274) ArgProAlaGlnGluAspProGluValValLysAsnLeuValLeu  
 P116 (295-309) LeuLysValIleAlaProAsnSerIleGlyPheGlyLysGluSer  
 P117 (300-314) ProAsnSerIleGlyPheGlyLysGluSerGluArgSerMetThr  
 P118 (305-319) PheGlyLysGluSerGluArgSerMetThrMetThrLysLeuVal  
 P119 (310-324) GluArgSerMetThrMetThrLysLeuValArgAspAspIlePro  
 P120 (315-329) MetThrLysLeuValArgAspAspIleProSerThrGlnGluAsn  
 P121 (320-334) ArgAspAspIleProSerThrGlnGluAsnLeuMetLysTrpAla  
 P122 (325-339) SerThrGlnGluAsnLeuMetLysTrpAlaLeuAspAsnGlyTyr  
 P123 (330-344) LeuMetLysTrpAlaLeuAspAsnGlyTyrArgProValThrSer  
 P124 (335-349) LeuAspAsnGlyTyrArgProValThrSerTyrThrMetAlaPro  
 P125 (340-354) ArgProValThrSerTyrThrMetAlaProValAlaAsnArgPhe  
 P126 (345-359) TyrThrMetAlaProValAlaAsnArgPheHisLeuArgLeuGlu  
 P127 (350-364) ValAlaAsnArgPheHisLeuArgLeuGluAsnAsnGluGluMet  
 P128 (355-369) HisLeuArgLeuGluAsnAsnGluGluMetArgAspGluGluVal  
 P129 (360-374) AsnAsnGluGluMetArgAspGluGluValHisThrIleProPro  
 P130 (365-379) ArgAspGluGluValHisThrIleProProGluLeuArgIleLeu  
 P131 (370-384) HisThrIleProProGluLeuArgIleLeuLeuAspProAspHis  
 P132 (375-389) GluLeuArgIleLeuLeuAspProAspHisProProAlaLeuAsp  
 P133 (380-394) LeuAspProAspHisProProAlaLeuAspAsnProLeuPhePro  
 P134 (385-399) ProProAlaLeuAspAsnProLeuPheProGlyGluGlySerPro  
 P135 (390-404) AsnProLeuPheProGlyGluGlySerProAsnGlyGlyLeuPro  
 P136 (395-409) GlyGluGlySerProAsnGlyGlyLeuProPheProPheProAsp  
 P137 (400-414) AsnGlyGlyLeuProPheProPheProAspIleProArgArgGly  
 P138 (405-419) PheProPheProAspIleProArgArgGlyTrpLysGluGlyGlu

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 SEQ ID NO: 138  
 SEQ ID NO: 139  
 SEQ ID NO: 140  
 SEQ ID NO: 141  
 SEQ ID NO: 142  
 SEQ ID NO: 143

Table 5. Peptides derived from modification of peptide P54 (peptides P139 to P143) and of the human type III receptor (peptides P144 and P145).

Peptide	Sequence	Derivation	
P54 <sub>(731-742)</sub>	ThrSerLeuAspAlaThrMetIleTrpThrMetMet	Rat type III receptor	<u>SEQ ID NO: 3</u>
P139	ThrSerLeuAspAlaThrMetIleTrpAspAspAsp		<u>SEQ ID NO: 144</u>
P140	AspAspAspAlaThrMetIleTrpThrMetMet		<u>SEQ ID NO: 145</u>
P141	AspAlaThrMetIleTrpAsp		<u>SEQ ID NO: 146</u>
P142	ThrSerLeuMetIleTrpThrMetMet		<u>SEQ ID NO: 5</u>
P143	ThrSerLeuAspAlaThrThrMetMet		<u>SEQ ID NO: 147</u>
P144 <sub>(729-742)</sub>	ThrSerLeuAspAlaSerIleIleTrpAlaMetMet GlnAsn	Human type III receptor	<u>SEQ ID NO: 6</u>
P145 <sub>(241-254)</sub>	SerAsnProTyrSerAlaPheGlnValAspIleThr IleAsp	Human type III receptor	<u>SEQ ID NO: 7</u>

Paragraph beginning on page 34, line 3 and ending on page 35, line 8, rewrite as follows:

Peptide	Sequence	Origin	
P146 <sub>(104-105)</sub>	CysValAlaValTrpArgLysAsnAspGluAsnIleThr LeuGluThrValCys	Type II receptor	SEQ ID NO: 148
P147 <sub>(1114-1121)</sub>	CysAspPheGlnLeuLeuLysLeuAspGlyLysPheSer ValValTyrAlaLysCys	Fetuin	SEQ ID NO: 149
P148 <sub>(1114-1121)</sub>	CysAspPheHisIleLeuLysGlnAspGlyGlnPheArg ValCysHisAlaGlnCys	Fetuin	SEQ ID NO: 150
P149 <sub>(1114-1121)</sub>	CysAspIleHisValLeuLysGlnAspGlyPheSerVal LeuPheThrLysCysAsp	Fetuin	SEQ ID NO: 151
P150 <sub>(1247-1251)</sub>	GluAlaValLeuIleLeuGlnGlyProProTyrValSer TrpLeu	Endoglin	SEQ ID NO: 8
P151 <sub>(1249-1252)</sub>	ValAsnLeuProAspThrArgGlnGlyLeuLeuGluGlu AlaArg	Endoglin	SEQ ID NO: 152
P152 <sub>(1443-1455)</sub>	LeuAspSerLeuSerPheGlnLeuGlyLeuTyrLeuSer ProHis	Endoglin	SEQ ID NO: 9
P153 <sub>(1481-1495)</sub>	ProSerIleProGluLeuMetThrGlnLeuAspSerCys GlnLeu	Endoglin	SEQ ID NO: 153
P154 <sub>(1479-1491)</sub>	MetSerProSerIleProGluLeuMetThrGlnLeuAsp SerCys	Endoglin	SEQ ID NO: 154
P155 <sub>(113-124)</sub>	LeuLeuLeuLeuValLeuLeuProThrAspAlaSer	$\alpha$ -2-Macroglobulin	SEQ ID NO: 155
P156 <sub>(120-131)</sub>	ProThrAspAlaSerValSerGlyLysProGlnTyr	$\alpha$ -2-Macroglobulin	SEQ ID NO: 156
P157 <sub>(144-155)</sub>	ThrGluLysGlyCysValLeuLeuSerTyrLeuAsn	$\alpha$ -2-Macroglobulin	SEQ ID NO: 157
P158 <sub>(1166-1177)</sub>	TyrIleGlnAspProLysGlyAsnArgIleAlaGln	$\alpha$ -2-Macroglobulin	SEQ ID NO: 158
P158 <sub>(1166-1177)</sub>	TyrIleGlnAspProLysGlyAsnArgIleAlaGln	$\alpha$ -2-Macroglobulin	SEQ ID NO: 158
P159 <sub>(1192-1203)</sub>	PheProLeuSerSerGluProPheGlnGlySerTyr	$\alpha$ -2-Macroglobulin	SEQ ID NO: 159
P160 <sub>(1247-1258)</sub>	AsnValSerValCysGlyLeuTyrThrTyrGlyLys	$\alpha$ -2-Macroglobulin	SEQ ID NO: 160
P161 <sub>(1248-1259)</sub>	ValSerValCysGlyLeuTyrThrTyrGlyLysPro	$\alpha$ -2-Macroglobulin	SEQ ID NO: 161
P162 <sub>(1250-1261)</sub>	ValCysGlyLeuTyrThrTyrGlyLysProValPro	$\alpha$ -2-Macroglobulin	SEQ ID NO: 162
P163 <sub>(1261-1270)</sub>	SerIleCysArgLysTyrSerAspAlaSerAspCys	$\alpha$ -2-Macroglobulin	SEQ ID NO: 163
P164 <sub>(1449-1460)</sub>	ProCysGlyHisThrGlnThrValGlnAlaHisTyr	$\alpha$ -2-Macroglobulin	SEQ ID NO: 164
P165 <sub>(1294-1305)</sub>	AspSerAlaLysTyrAspValGluAsnCysLeuAla	$\alpha$ -2-Macroglobulin	SEQ ID NO: 165
P167 <sub>(1790-1801)</sub>	GlnProPhePheValGluLeuThrMetProTyrSer	$\alpha$ -2-Macroglobulin	SEQ ID NO: 167
P168 <sub>(1827-1838)</sub>	GlnLeuGluAlaSerProAlaPheLeuAlaValPro	$\alpha$ -2-Macroglobulin	SEQ ID NO: 168
P169 <sub>(1831-1846)</sub>	SerValGlnLeuGluAlaSerProAlaPheLeuAla	$\alpha$ -2-Macroglobulin	SEQ ID NO: 169
P170 <sub>(1874-1887)</sub>	AlaLeuGluSerGlnGluLeuCysGlyThrGluVal	$\alpha$ -2-Macroglobulin	SEQ ID NO: 170
P171 <sub>(11001-10112)</sub>	LysSerLysIleGlyTyrLeuAsnThrGlyTyr	$\alpha$ -2-Macroglobulin	SEQ ID NO: 171



P172 <sub>(1085-1016)</sub>	IleGlyTyrLeuAsnThrGlyTyrGlnArgGlnLeu	α-2-Macroglobulin	<u>SEQ ID NO: 172</u>
P173 <sub>(1062-1073)</sub>	LysArgLysGluValLeuLysSerLeuAsnGluGlu	α-2-Macroglobulin	<u>SEQ ID NO: 173</u>
P174 <sub>(1193-1204)</sub>	ValGlyHisPheTyrGluProGlnAlaProSerAla	α-2-Macroglobulin	<u>SEQ ID NO: 174</u>
P175 <sub>(1209-1220)</sub>	ThrSerTyrValLeuLeuAlaTyrLeuThrGlnAla	α-2-Macroglobulin	<u>SEQ ID NO: 175</u>
P176 <sub>(1211-1222)</sub>	TyrValLeuLeuAlaTyrLeuThrAlaGlnProAla	α-2-Macroglobulin	<u>SEQ ID NO: 176</u>
P177 <sub>(1256-1267)</sub>	ValAlaLeuHisAlaLeuSerLysTyrGlyAlaAla	α-2-Macroglobulin	<u>SEQ ID NO: 177</u>
P178 <sub>(1232-1243)</sub>	TyrGlyArgAsnGlnGlyAsnThrTrpLeuThrAla	α-2-Macroglobulin	<u>SEQ ID NO: 178</u>
P179 <sub>(1226-1245)</sub>	ArgAsnGlnGlyAsnThrTrpLeuThrAlaPheVal	α-2-Macroglobulin	<u>SEQ ID NO: 179</u>

Table 7. Comparison of the inhibitory activity of TGF $\beta$ 1, of some peptides, measured by bioassay of inhibition of growth of the MV-1-Lu<sup>1</sup> cells (peptide concentration 200  $\mu$ g/ml) with inhibition of the binding of TGF $\beta$ 1 to its cell receptors measured using flow cytometry<sup>2</sup> (peptide concentration 420  $\mu$ g/ml).

Peptides	Bioassay (% inhibition) <sup>1</sup>	Cytometry (% inhibition) <sup>2</sup>	Sequence	
P29	77,6	92,34	HisGluProLysGlyTyrHis AlaAsnPheCysLeuGlyPro CysProTyrIleTrpSerLeu AspThr	<u>SEQ ID NO: 10</u>
P11	40	86	HisAlaAsnPheCysLeuGly ProCysProTyrIleTrpSer Leu	<u>SEQ ID NO: 1</u>
P12	96	77	PheCysLeuGlyProCysPro TyrIleTrpSerLeuAspThr	<u>SEQ ID NO: 2</u>
P18	18,2	6,5	LeuTyrAsnGlnHisAsnPro GlyAlaSerAlaAlaProCys Cys	<u>SEQ ID NO: 26</u>
P54	97	82,3	ThrSerLeuAspAlaThrMet IleTrpThrMetMet	<u>SEQ ID NO: 3</u>
P140	-1,7	69,8	AspAspAspAlaThrMetIle TrpThrMetMet	<u>SEQ ID NO: 145</u>
P142	70	72	ThrSerLeuMetIleTrpThr MetMet	<u>SEQ ID NO: 5</u>
P106	40	91	SerAsnProTyrSerAlaPhe GlnValAspIleIleValAsp Ile	<u>SEQ ID NO: 4</u>
P145	21	74,35	SerAsnProTyrSerAlaPhe GlnValAspIleThrIleAsp	<u>SEQ ID NO: 7</u>
P144	88	80	ThrSerLeuAspAlaSerIle IleTrpAlaMetMetGlnAsn	<u>SEQ ID NO: 6</u>
P150	64	73	GluAlaValLeuIleLeuGln GlyProProTyrValSerTrp Leu	<u>SEQ ID NO: 8</u>
P152	45	68,4	LeuAspSerLeuSerPheGln LeuGlyLeuTyrLeuSerPro His	<u>SEQ ID NO: 9</u>